

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/807,660C

DATE: 02/19/2004 TIME: 11:19:21

Input Set : A:\23495rV3.txt

Output Set: N:\CRF4\02182004\1807660C.raw

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3 <110> APPLICANT: Maliszewski, Charles R.
         Gayle III, Richard B.
         Marcus, Aaron J.
         Immunex Corporation
         Cornell Research Foundation, Inc.
 9 <120> TITLE OF INVENTION: Methods of Inhibiting Platelet Activation and
        Recruitment
12 <130> FILE REFERENCE: 23,495 USA
14 <140> CURRENT APPLICATION NUMBER: US 09/807,660C
15 <141> CURRENT FILING DATE: 2001-09-06
17 <150> PRIOR APPLICATION NUMBER: US 60/104,585
18 <151> PRIOR FILING DATE: 1998-10-16
20 <150> PRIOR APPLICATION NUMBER: US 60/107,466
21 <151> PRIOR FILING DATE: 1998-11-06
23 <150> PRIOR APPLICATION NUMBER: US 60/149,010
24 <151> PRIOR FILING DATE: 1999-08-13
26 <160> NUMBER OF SEQ ID NOS: 37
28 <170> SOFTWARE: PatentIn version 3.1
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33 <213> ORGANISM: Homo sapiens
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36 <221> NAME/KEY: CDS
37 <222> LOCATION: (67)..(1596)
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          Met Glu Asp Thr Lys Glu Ser Asn Val Lys Thr Phe Cys Ser
43
46 aag aat atc cta gcc atc ctt ggc ttc tcc tct atc ata gct gtg ata
                                                                     156
47 Lys Asn Ile Leu Ala Ile Leu Gly Phe Ser Ser Ile Ile Ala Val Ile
                        20
                                            25
50 gct ttg ctt gct gtg ggg ttg acc cag aac aaa gca ttg cca gaa aac
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51 Ala Leu Leu Ala Val Gly Leu Thr Gln Asn Lys Ala Leu Pro Glu Asn
54 gtt aag tat ggg att gtg ctg gat gcg ggt tct tct cac aca agt tta
                                                                     252
55 Val Lys Tyr Gly Ile Val Leu Asp Ala Gly Ser Ser His Thr Ser Leu
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58 tac atc tat aag tgg cca gca gaa aag gag aat gac aca ggc gtg gtg
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59 Tyr Ile Tyr Lys Trp Pro Ala Glu Lys Glu Asn Asp Thr Gly Val Val
60
            65
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62 cat caa gta gaa gaa tgc agg gtt aaa ggt cct gga atc tca aaa ttt
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_			_			_			_		_			_	_	77.	
	His		Val	Glu	Glu	Суѕ		Val	Lys	GTÅ	Pro		ile	Ser	Lys	Phe	
64		80					85					90					206
				gta													396
		Gln	Lys	Val	Asn		Ile	СТЪ	Ile	Tyr		Thr	Asp	Cys	Met		
68	95					100					105					110	
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71	Arg	Ala	Arg	Glu		Ile	Pro	Arg	Ser		His	Gln	Glu	Thr		Val	
72					115					120					125		
				gcc													492
75	Tyr	Leu	Gly	Ala	Thr	Ala	Gly	Met	Arg	Leu	Leu	Arg	Met	Glu	Ser	Glu	
76				130					135					140			
				gac													540
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80			145					150					155				
82	tac	CCC	ttt	gac	ttc	cag	ggt	gcc	agg	atc	att	act	ggc	caa	gag	gaa	. 588
83	Tyr	Pro	Phe	Asp	Phe	Gln	Gly	Ala	Arg	Ile	Ile	Thr	Gly	Gln	Glu	Glu	
84		160					165					170					
86	ggt	gcc	tat	ggc	tgg	att	act	atc	aac	tat	ctg	ctg	ggc	aaa	ttc	agt	636
87	Gly	Ala	Tyr	Gly	Trp	Ile	Thr	Ile	Asn	Tyr	Leu	Leu	Gly	Lys	Phe	Ser	
	175					180					185					190	
90	cag	aaa	aca	agg	tgg	ttc	agc	ata	gtc	cca	tat	gaa	acc	aat	aat	cag	684
91	Gln	Lys	Thr	Arg	Trp	Phe	Ser	Ile	Val	Pro	Tyr	Glu	Thr	Asn	Asn	Glņ	•
92					195					200					205		
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95	Glu	Thr	Phe	Gly	Ala	Leu	Asp	Leu	Gly	Gly	Ala	Ser	Thr	Gln	Val	Thr	
96				210					215					220			
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99	Phe	Val	Pro	Gln	Asn	Gln	Thr	Ile	Glu	Ser	Pro	Asp	Asn	Ala	Leu	Gln	
100			22					230					235				
																ttg	828
103	B Phe			и Туг	: Gl	/ Lys	a Asp	э Туг	Asr	va.	l Ty	r Th	r His	Sei	: Phe	e Leu	
104		240					245					25	-				
106	i tga	tat	gg	g aac	j gat	caç	g gca	a cto	tgg	g cad	g aaa	a cto	g gcd	aaq	g gad	att	876
			c Gly	y Lys	s Asp	Glr	n Ala	a Let	ı Trp	Gl:	n Lys	s Le	ı Ala	ı Lys	s Asp	Ile	
	3 255					260					265					270	
																gga	924
		ı Val	L Ala	a Ser	: Asr	ı Glı	ı Ile	e Lei	Arç	g Ası	o Pro	с Су	s Phe	His	s Pro	Gly	
112					275					280					285		
114	tat	aaq	g aad	g gta	ı gtç	, aac	gta	a agt	gad	c ct	t tad	c aad	g acc	ccc	e tgo	acc	972
		: Lys	s Ly:	s Val	. Val	. Asr	ı Val	l Ser	: Asr) Le	Ty:	r Ly:	s Thr	Pro	Cys	Thr	
116				290		•			295					300	-		
118	aaq	g aga	a tti	t gag	, ato	, act	: ctt	cca	a tto	cag	g cag	y tti	t gaa	ato	cac	ggt	1020
		arç	y Phe	e Glu	Met	Thi	: Lei	ı Pro	> Ph∈	e Gl	n Gli	n Phe	e Glu	ı Ile	e Glr	Gly	
120			30					310					315	-			
122	? att	gga	a aad	c tat	caa	caa	ı tgo	cat	: caa	ago	c ato	cto	g gag	g cto	tto	aac	1068
				n Tyr	Glr	Glr	Cys	s His	s Glr	ı Se	r Ile	e Lei	ı Glu	ı Let	ı Ph∈	e Asn	
124		320					325					330					
126	acc	agt	tac	c tgc	cct	tac	t to	cag	g tgt	gc	c tto	c aat	ggg	, att	ttc	ttg	1116
127	Thr	Ser	ту:	r Cys	Pro	туг	: Sei	: Glr	ı Cys	a Ala	a Phe	a Ası	n Gly	/ Ile	e Phe	Leu	

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130	cca	cca	ctc	cag	ggg	gat	ttt	ggg	gca	ttt	tca	gct.	ttt	tac	ttt	gtg	1164
131	Pro	Pro	Leu	Gln	Gly	Asp	Phe	Gly	Ala	Phe	Ser	Ala	Phe	Tyr	Phe	Val	
132					355	-		-	-	360				-	365	•	
	ato	aaσ	ttt	tta	aac	ttg	aca	tca	αασ	aaa	atc	tct	caσ	gaa	aaα	ata	1212
						Leu											
136		-1-		370					375	_1 -				380			
	act	gag	ato		aaa	aag	ttc	tat		caq	cct	taa	σασ		ata	aaa	1260
			-	_		Lys		_	-	_							
140	1111	Olu	385	MCC	נענה	دورب	1110	390	1110	0111	110	115	395	014	110	Dy S	
	303	+ < +		act	aas	gta	220		220	+ = 0	cta	aat		t a C	fac	+++	1308
						Val											. 1300
144	1111	400	тАт	VIG	GIY	Val	405	GIU	БУЗ	тут	пеп	410	Giu	тут	Cys	FIIG	
	+ -+			+		-+-		a + a	a++	a+ ~				~~+			1256
						ctc											1356
		сту	inr	Tyr	TTG	Leu	ser	ьеп	ьeu	ьeu		етА	Tyr	HIS	Pne		
	415					420					425			•		430	1 40 4
						cac											1404
	Ala	Asp	Ser	Trp		His	Ile	His	Phe		СТĀ	Lys	Ile	Gln	-	Şer	
152					435					440					445		
						ttg											1452
	Asp	Ala	GLA		Thr	Leu	Gly	Tyr		Leu	Asn	Leu	Thr		Met	Ile	
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	Pro	Ala		Gln	Pro	Leu	Ser		Pro	Leu	Ser	His	Ser	Thr	Tyr	Val	
160			465					470					475				
162	ttc	ctc	atg	gtt	cta	ttc	tcc	ctg	gtc	ctt	ttc	aca	gtg	gcc	atc	ata	1548
163	Phe	Leu	Met	Val	Leu	Phe	Ser	Leu	Val	Leu	Phe	\mathtt{Thr}	Val	Ala	Ile	Ile	
164		480					485					490					
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167	Gly	Leu	Leu	Ile	Phe	His	Lys	Pro	Ser	Tyr	Phe	Trp	Lys	Asp	Met	Val	
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	Leu	Ala	Val		Len	Thr	Gln	Asn		Δla	T.e.ii	Pro	Glu		บรา	Lve	
186			35	~- <u>J</u>			Q	40	_,_		~		45	11011	٧٠٠	1195	
	Tvr	Glv	-	Val	Len	Asp	Ala		Ser	Ser	Hie	Thr		T.011	Tur	Tlo	
189	- 1 -	50		,		P	55	U-1	OGI	061	1113	60	Det	ш с и	- A -	TTC	
	ቸህን		Trn	Pro	ΔΊο	Glu		Glai	Aen	A en	Thr		V = 1	Va 1	ніс	Gla	
192	65	دورد	115		4.3T.C	70	пуз	Gru	non	nsp	75	атЪ	AGT	AGI	1112	80	
		Glu	Glu	Cue	Δνα	Val	Lve	61	Dro	G1		S0~	T ***	Dha	W-7		
195	*01	JLU	914	Cys	85	Aat	пуэ	GTÄ	FIO	90	116	Sel	ъЪэ	rne		GIII	
200					0.0					<i>5</i> 0					95		



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207	145	_				150					155				Tyr	160
210					165					170					Gly 175	
213		_	_	180					185					190	Gln	
216			195					200					205		Glu	
219		210					215	•				220			Phe	
222	225					230					235				Phe	240
225					245					250					Cys 255 Gln	
228				260					265					270	Tyr	
231			275					280					285		Lys	
234		290					295					300			Ile	
237	305					310					315				Thr	320
240					325					330					335 Pro	
243	_	_		340					345					350	Met	
246			355			_		360					365		Thr	
249		370					375					380			Thr	
252	385		Ī			390					395				Ser	400
255 257		Tyr	Ile	Leu	405 Ser		Leu	Leu	Gln	410 Gly		His	Phe	Thr	415 Ala	Asp
258 260		Trp	Glu	420 His		His	Phe	Ile	425 Gly		Ile	Gln	Gly	430 Ser		Ala
261 263		Trp	435 Thr		Gly	Tyr	Met	440 Leu		Leu	Thr	Asn	445 Met		Pro	Ala
264		450					455					460				Leu
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	Ile	Phe	T.011		Ser	Thr	Gln	Asn		Δla	T.em	Pro	Glu		Val	Lvs
293		- :	35	U U2	001	11.2	0111	40	_,		. 200	,	45			_, _
	Tyr	Glv		Val	Len	Asn	ДІа		Ser	Ser	His	Thr		Len	Tvr	Tle
296	_	50	110	V CL	200	715	55	_y	001		,,,,,	60	501	200	- 3 -	
	Tyr		ጥተካ	Pro	Δla	Glu		Glu	Asn	Asp	Thr		Val	Val	His	Gln
299	-	цуЗ	rrp		1120	70	Lyo	O Q	11011	1100	75	011	102	• • •	0	80
	Val	Glu	Glu	Cve	Δτσ		T.vs	Glv	Pro	Glv	. •	Ser	T.VS	Phe	Val	
302		OIU	Olu	Cys	85	Val	y.J	O L y		90		502	- 30	1110	95	01
	Lys	Val	Asn	Glu		Gly	Tle	ጥህዮ	I.e.ii		Asn	Cvs	Met	Glu		Δla
305	-			100			120	- 7 -	105		1101	0,0		110	9	
	Arg	Glu	Val		Pro	Ara	Ser	Gln		Gln	Glu	Thr	Pro		Tyr	Len
308		OLU	115	110	110	711.9	·	120		·	O± u		125	, 41	- y -	Lea
	Gly	Δla	-	Δla	G1 v	Mot	Ara.		Len	Ara	Mot	Glu		Glu	Glu	ī.e.i
311		130	1111	AIG	Gry	Hec	135	nea	ne a	Arg	Mec	140	Jer	Olu	GIU	пси
	Ala	-	Ara	1721	Ι.Δ11	Asn		Wa 1	G111	Δra	Ser		Ser	Δen	ጥህድ	Pro
	145	Mop	nr 9		пец	150	Val	VOI	GIU	فتتع	155	пеа	CCI		ı yı	160
	Phe		Dho	Gln	Glv		Ara	Tlo	Tla	Thr		Gln	Glu	Glu	Gly	
317		1100	1110	01	165	7314	111 g	110	110	170	CLY	Q1.11	010	ULU	175	1114
	Tyr	Glv	Tro	Tle		Tle	Asn	Tur	Len		Glv	Lvs	Phe	Ser		Lvs
320		OLY.		180		110	11011	- 7 -	185	200	211	-,0		190	01	-30
	Thr	Ara	Trn		Ser	Tle	Val	Pro		Glu	ጥኮሎ	Asn	Asn		Glu	Thr
323		**** 9	195	1	001			200	- y -	010	+	11011	205	U	- 4	1111
	Phe	Glv		T.em	Asp	T.eu	Glv		Δla	Ser	Thr	Gln		Thr	Phe	Val
326		210		204	op	u	215	0 -1				220	• • •	****	1	141
	Pro		Δen	Gln	ግ ስ ተ	Tle		Ser	Pro	Δen	Δen		T.e.u	Gln	Phé	Ara
	225	GLII		Cirr	1111	230	OI u		110	пор	235	711.0	шец	OZII	1110	240
	Leu	Tur		Tue	A cp) en		Tree	Thr		Sar	Pha	T.011	CVE	
332	пеп	ıyı	GIY	пуз	245	TAT	ASII	Val	тÀт	250	1113	Ser	1116	nea	255	ıyı
	Gly	Tue	Acn	G1n		Tou	Trn	Gla	Tue		ת ות	Tue	Acn	Tlo		V=1
335		пÃэ	vob	260	TIG	nea	тър	GIII	265	nan	пта	пys	voh	270	GTH	A G T
	Ala	202	Acr		Tla	Lou	۸~~	Δας		Cue	Dha	Hic	Dro		ф.т.	Luc
338		361	275	JIU	116	neu	arg	280	ETO	Cys	FIIE	птэ	285	оту	TÄŤ	пåэ
	Lys	V=1		Acr	Val	Sar	Δεν		ጥ፡፡ >	Luc	ጥኤ ~	Pro		Thr	Tue	Αχα
341		290	vai	no11	val	Ser	295		тĀт	гЛэ	T11T	300		T 11T	пÃà	my
24 I		230					233					200			:	



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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 39

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:32,33,34,35,36,37





VERIFICATION SUMMARY

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L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:32